



State of Utah
Department of
Natural Resources

ROBERT L. MORGAN
Executive Director

Division of
Oil, Gas & Mining

LOWELL P. BRAXTON
Division Director

OLENE S. WALKER
Governor

GAYLE F. McKEACHNIE
Lieutenant Governor

July 28, 2004

TO: Minerals File
FROM: Thomas Munson, Senior Reclamation Hydrologist *T.M.*
SUBJECT: Site Inspection, Intrepid Wendover Potash LLC, Bonneville
Plant/Reilly, M045/002, Tooele County, Utah

Date of Inspection: July 1, 2004
Time of Inspection: 10:30 a.m.- 3:00 p.m.
Conditions: Partly cloudy and hot
Participants: Wayne Hedberg, Doug Jensen, and Tom Munson, DOGM;
Stan Perks and Bill White, BLM; Rich Schowengerdt and
Brian Bartoszek, Shaw Environmental; Rick York, and
Greg Foy, Intrepid

Purpose of Inspection:

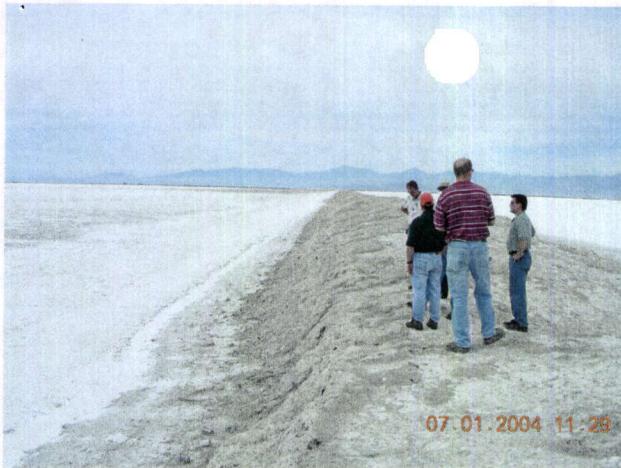
To determine to what extent reclamation will affect the State's
Bond Calculation.

Getting to the site:

The site is located just east of Wendover.

Observations:

It was determined that the canals and ditches are subject to different rates of natural reclamation. The Federal Government is requiring the complete reclamation of ditches and canals on Federal leases. Certain areas of the property have greater amounts of blow sand that tend to drift into the ditches and hence the request to let areas like this self reclaim. We started the day off by looking at the Saldero Loop ditch and dike and determined that all that is left is the dike. It does not appear to be changing in shape or size, although the ditch associated with it has filled in with salt and wind eroded material. The main observation here is that the dikes do not erode and would probably need to be pushed in if they are to be removed.



07.01.2004 11:29

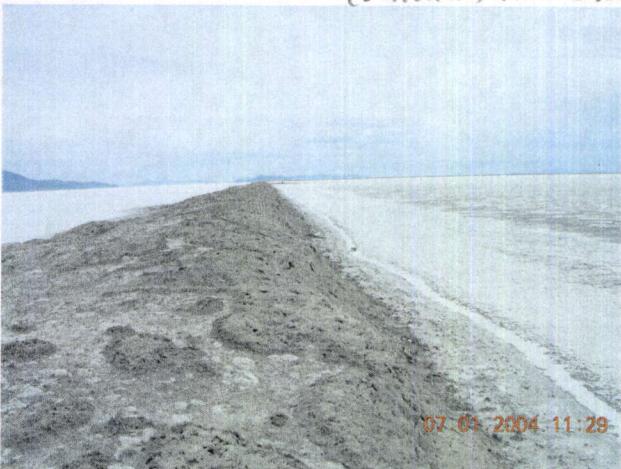
DSCN2077.JPG 2004/07/01 11:29:10

Salturo Loop Dike & Canal
(salted in) view is west



07.01.2004 11:28

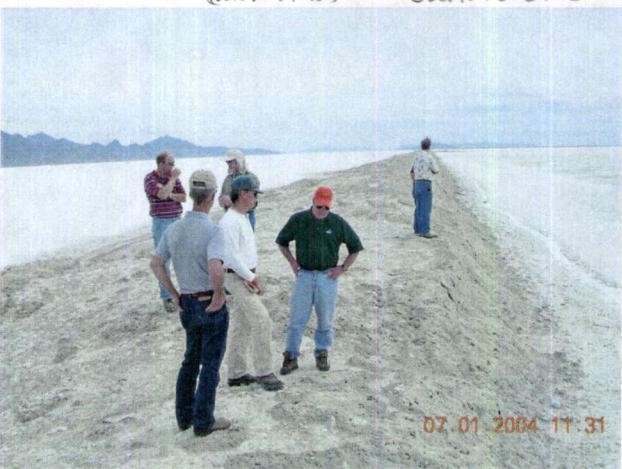
DSCN2078.JPG 2004/07/01 11:29:19 Bonneville Salt Flat from
(WNW View) Salturo Dike



07.01.2004 11:29

DSCN2079.JPG 2004/07/01 11:29:38

Salturo loop (Dike & salted)
in canal (East view)



07.01.2004 11:31

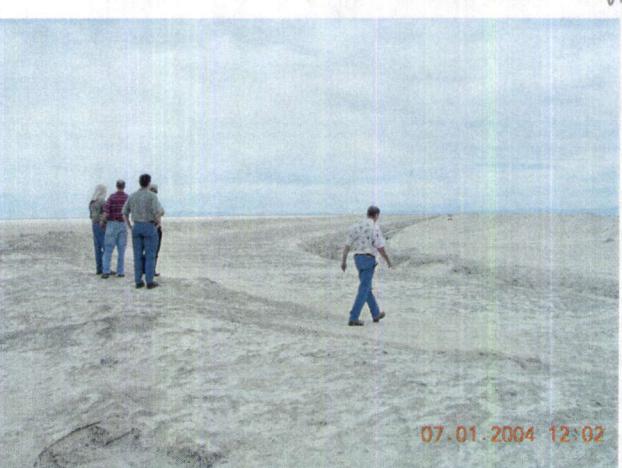
DSCN2080.JPG 2004/07/01 11:31:55 Salturo Loop Dike (East)
view



07.01.2004 11:46

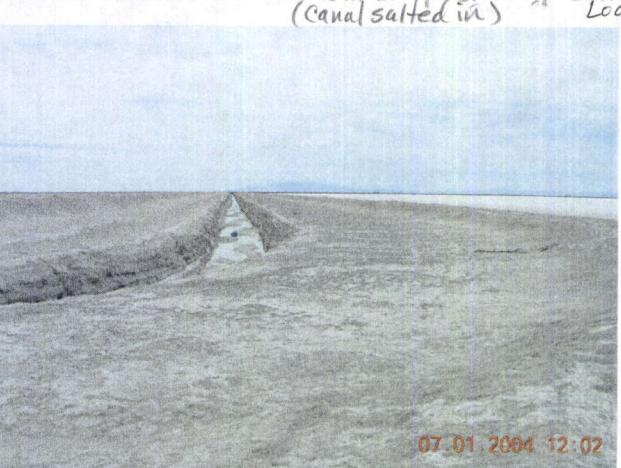
DSCN2081.JPG 2004/07/01 11:46:29

Old bridge crossing - Salturo
(canal salted in) Loop



07.01.2004 12:02

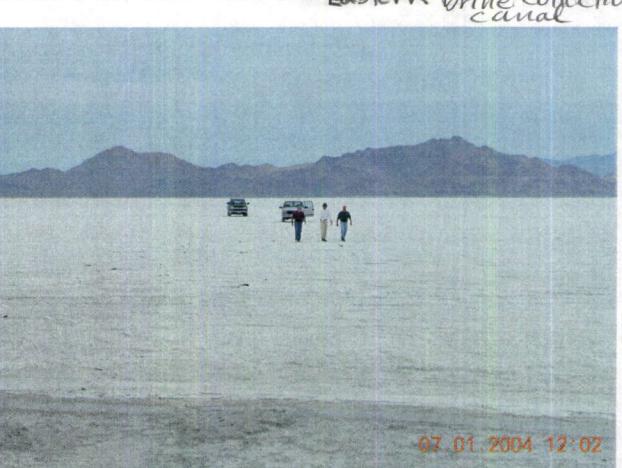
DSCN2082.JPG 2004/07/01 12:02:23 Eastern brine collection
canal



07.01.2004 12:02

DSCN2083.JPG 2004/07/01 12:02:34

Eastern brine
collection Canal



07.01.2004 12:02

DSCN2084.JPG 2004/07/01 12:02:47

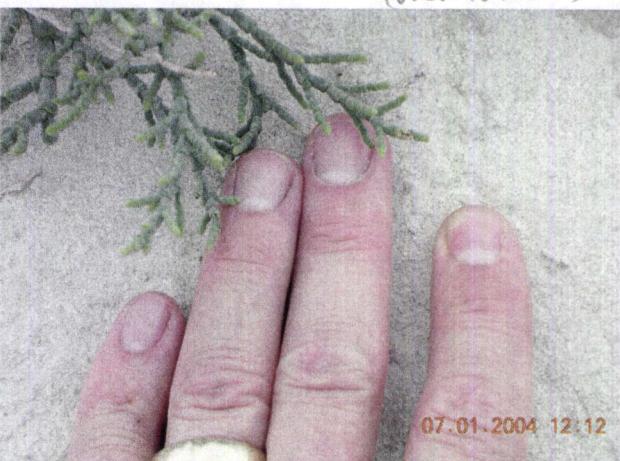
Salt flats (view to
NW?)
from collection canal



DSCN2085.JPG 2004/07/01 12:03:07 Eastern collection canal (ENE view)



DSCN2087.JPG 2004/07/01 12:06:43 Collection canal (view to west)



DSCN2089.JPG 2004/07/01 12:12:33 closeup of vegetation



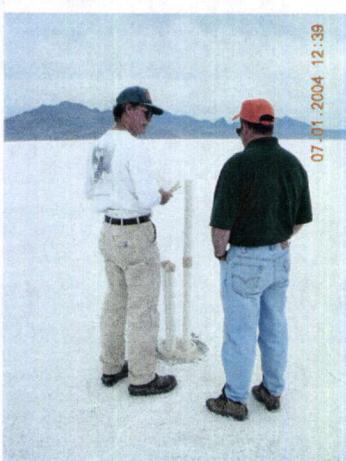
DSCN2086.JPG 2004/07/01 12:06:06 Eastern collection canal (view to east?)



DSCN2088.JPG 2004/07/01 12:12:08 Typical vegetation in gypsumiferous sands



DSCN2090.JPG 2004/07/01 12:38:46 VSU weather station



DSCN2091.JPG 2004/07/01 12:39:10 Nested wells cluster (salt thickness)



DSCN2092.JPG 2004/07/01 12:39:52 well cluster



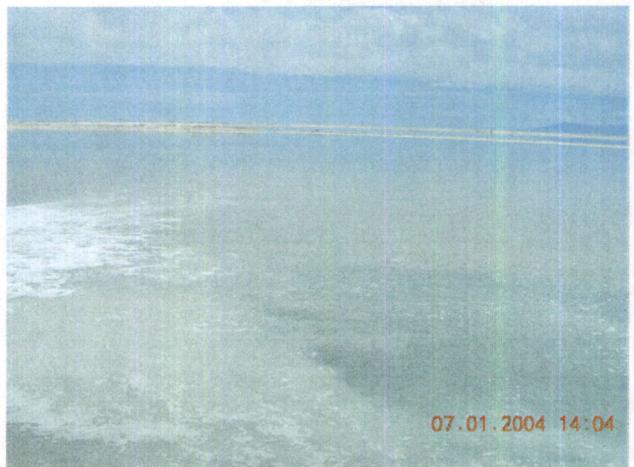
DSCN2093.JPG 2004/07/01 14:04:08 Main discharge inlet to pond VI.



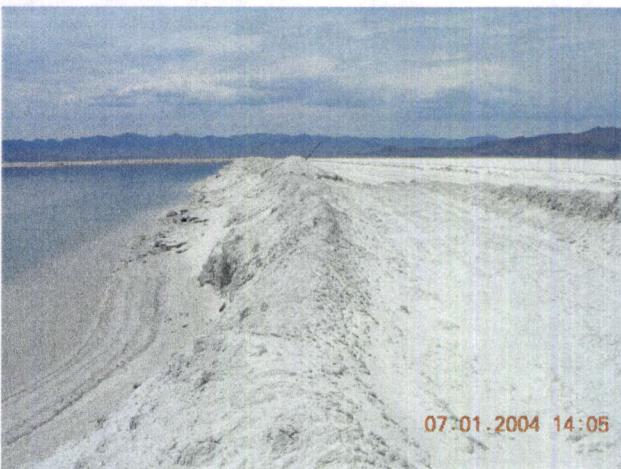
DSCN2094.JPG 2004/07/01 14:04:25



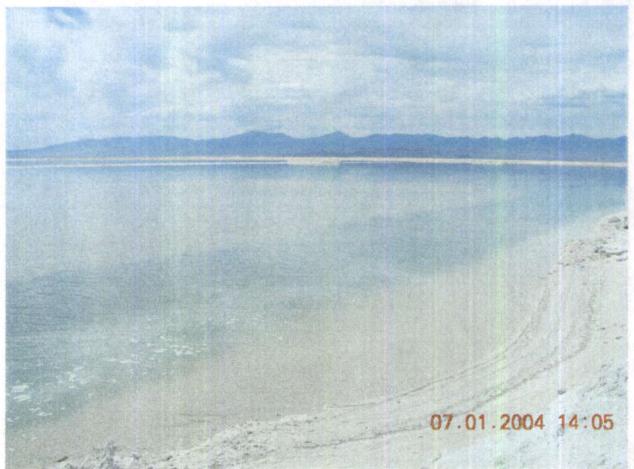
DSCN2095.JPG 2004/07/01 14:04:35 Discharge into Pond VI



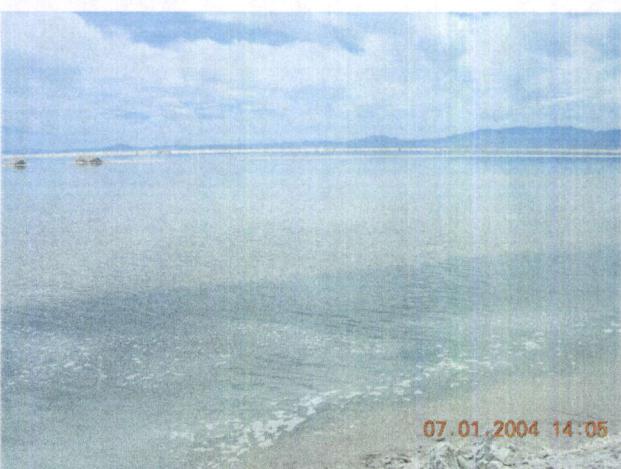
DSCN2096.JPG 2004/07/01 14:04:48 Pond VI



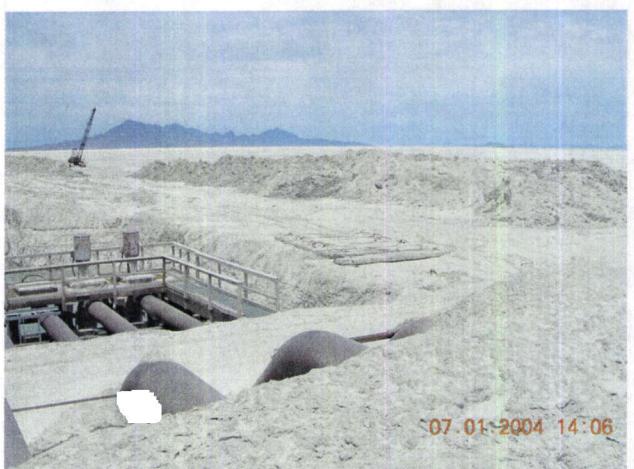
DSCN2097.JPG 2004/07/01 14:05:08



DSCN2098.JPG 2004/07/01 14:05:16



DSCN2099.JPG 2004/07/01 14:05:31



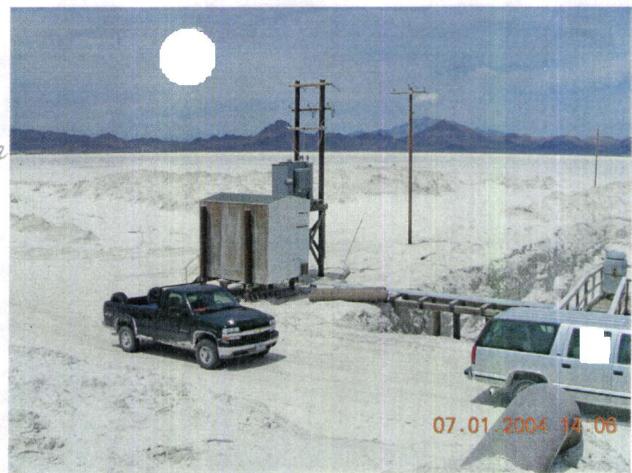
DSCN2100.JPG 2004/07/01 14:06:09

Intake pumps
to 1^o Pond VI.

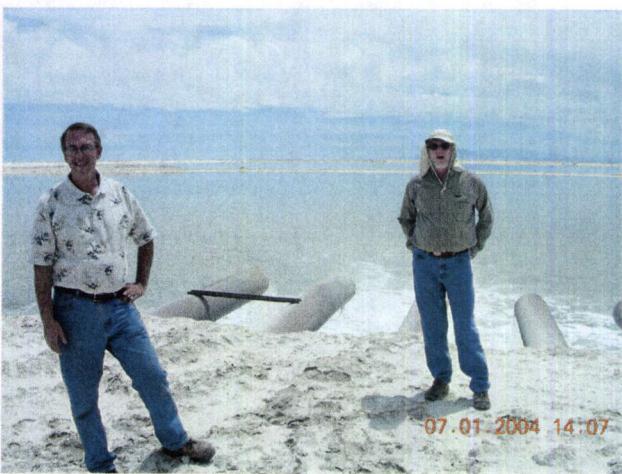


DSCN2101.JPG 2004/07/01 14:06:19

2
Main collection canal & intake pumps to Primary evap pond # VI

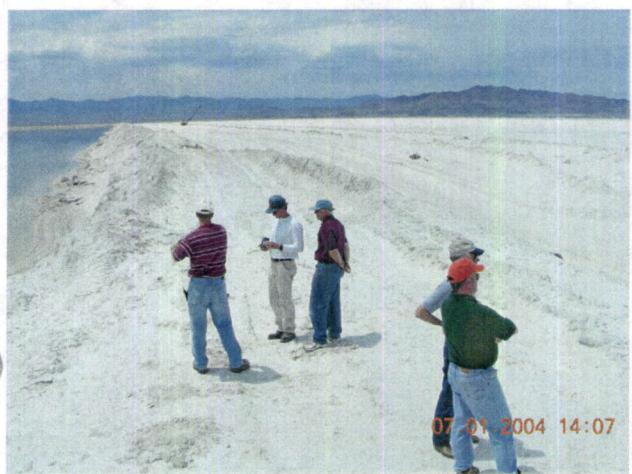


DSCN2102.JPG 2004/07/01 14:06:29



DSCN2103.JPG 2004/07/01 14:07:12

Pond VI (view east)
Pond III Dike (view south)

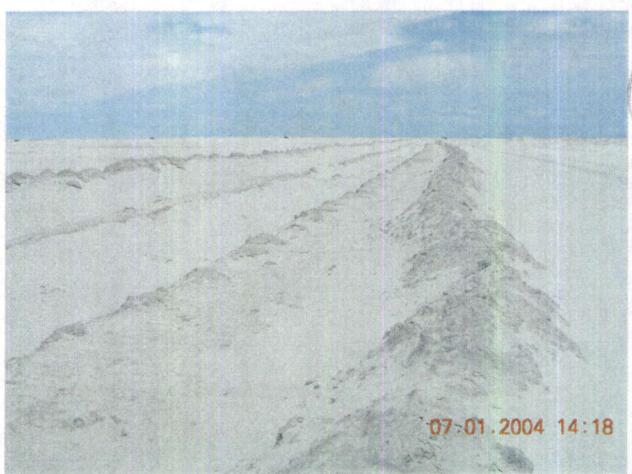


DSCN2104.JPG 2004/07/01 14:07:34

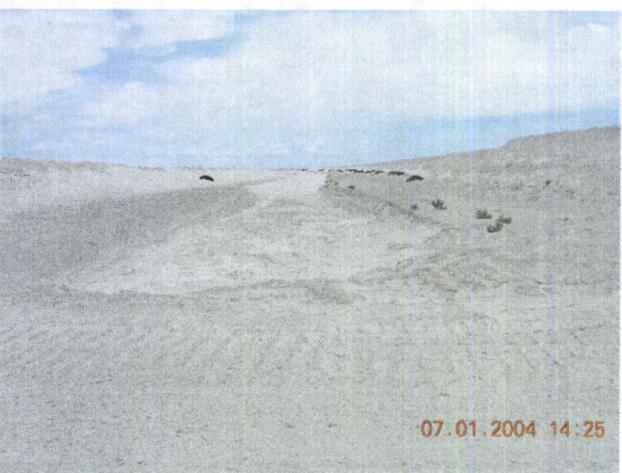


DSCN2105.JPG 2004/07/01 14:18:05

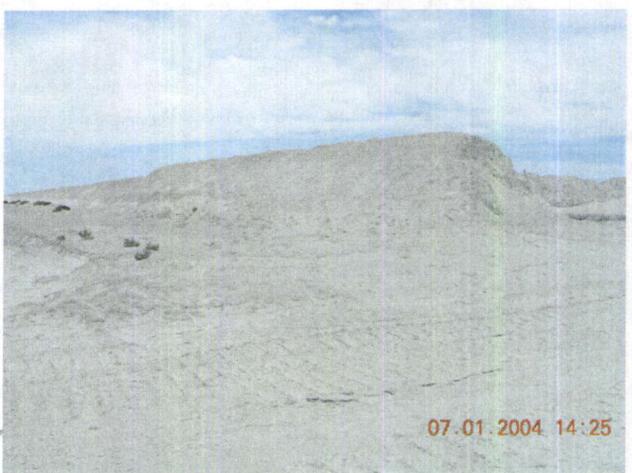
4
Are a adjacent (west) of Pond VI showing natural filling of wind blown gypsum/salt sands (View South)



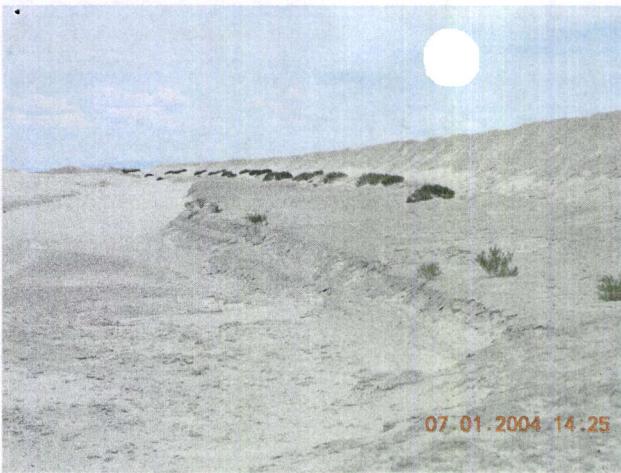
DSCN2106.JPG 2004/07/01 14:18:19



DSCN2107.JPG 2004/07/01 14:25:27



DSCN2108.JPG 2004/07/01 14:25:37



07.01.2004 14:25

DSCN2109.JPG 2004/07/01 14:25:50



07.01.2004 14:26

DSCN2110.JPG 2004/07/01 14:26:49



07.01.2004 14:26

DSCN2111.JPG 2004/07/01 14:26:58



07.01.2004 14:27

DSCN2112.JPG 2004/07/01 14:27:09



07.01.2004 14:27

DSCN2113.JPG 2004/07/01 14:27:38



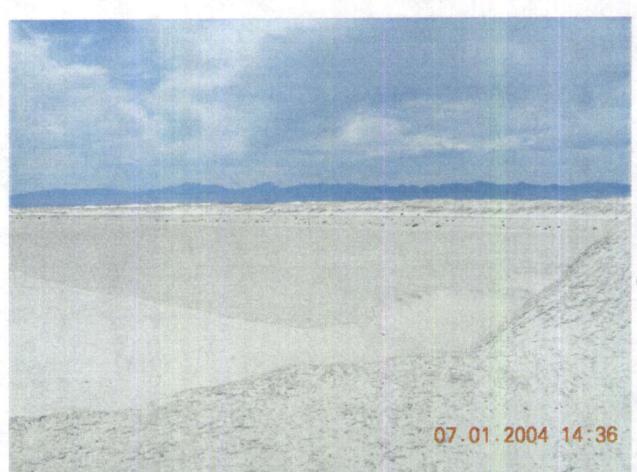
07.01.2004 14:31

DSCN2114.JPG 2004/07/01 14:31:00



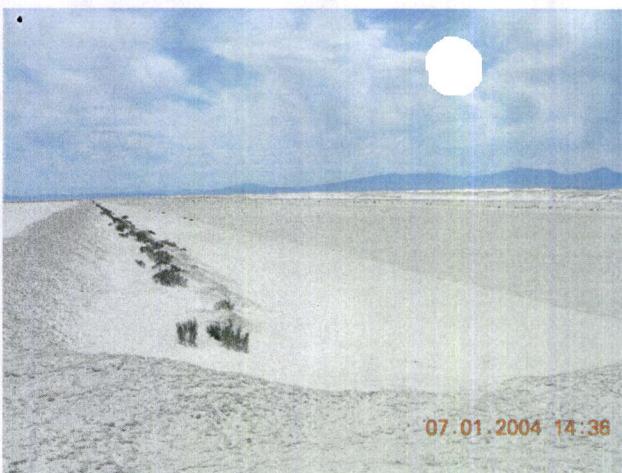
07.01.2004 14:35

DSCN2115.JPG 2004/07/01 14:35:08



07.01.2004 14:36

DSCN2116.JPG 2004/07/01 14:36:00



DSCN2117.JPG 2004/07/01 14:36:09

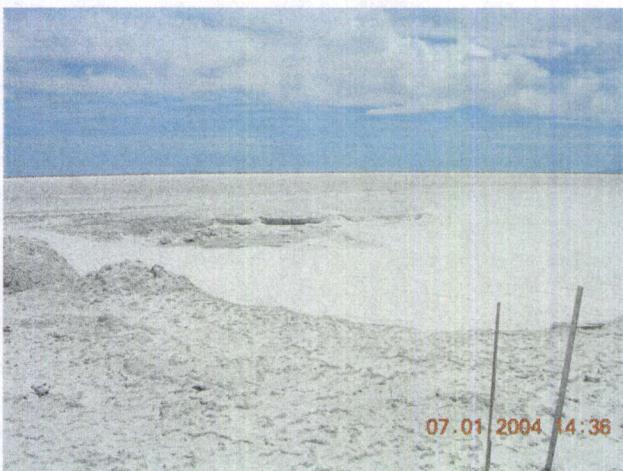
SW view ?

2 ?



DSCN2118.JPG 2004/07/01 14:36:18

SWS view



DSCN2119.JPG 2004/07/01 14:36:27

ESE view

Road A overview
↓



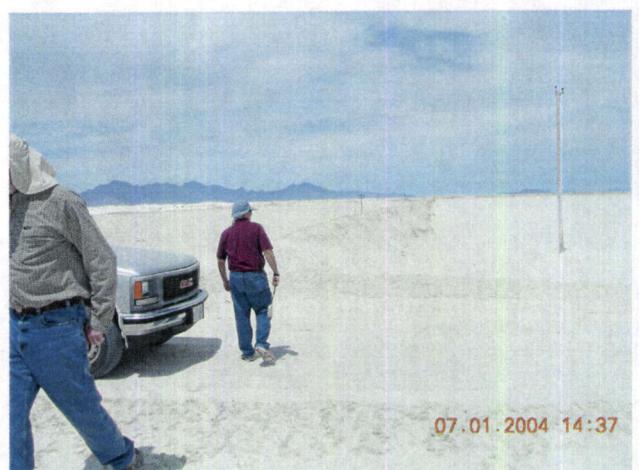
DSCN2120.JPG 2004/07/01 14:37:07

ENE view



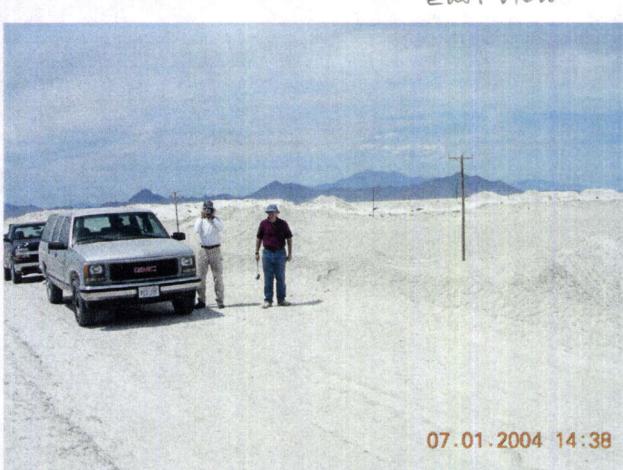
DSCN2121.JPG 2004/07/01 14:37:22

East view



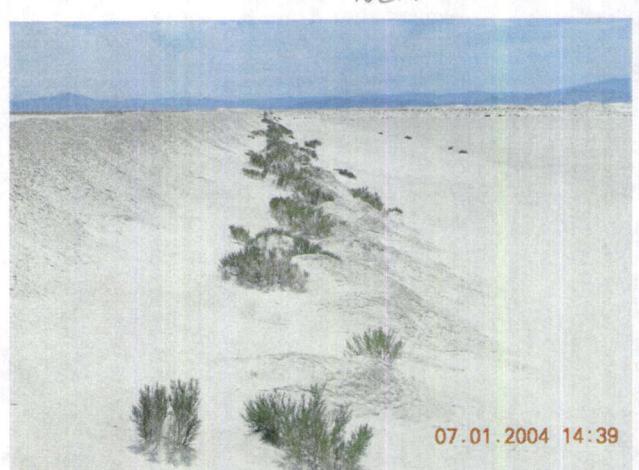
DSCN2122.JPG 2004/07/01 14:37:53

NEN view



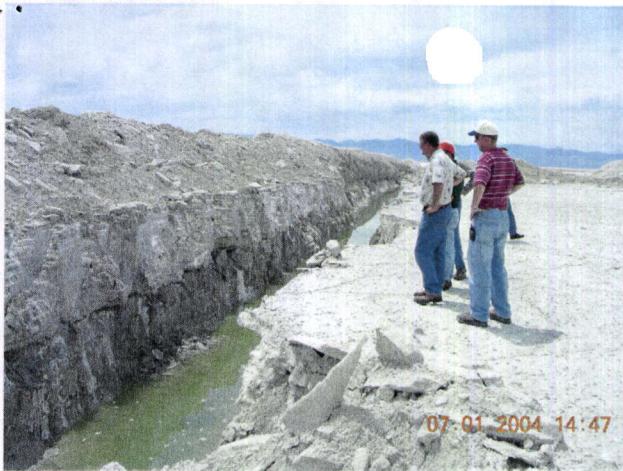
DSCN2123.JPG 2004/07/01 14:38:17

NNW view



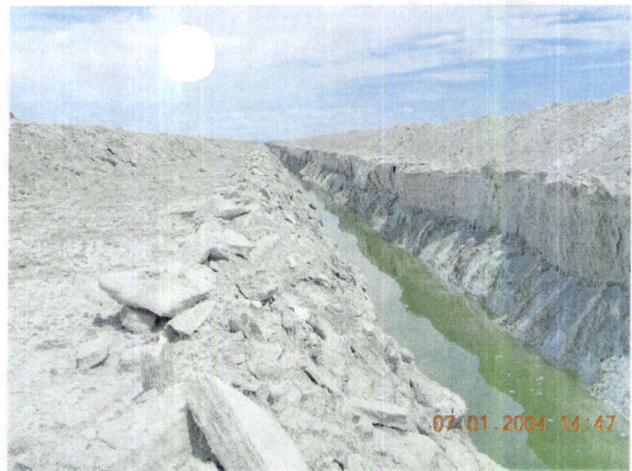
DSCN2124.JPG 2004/07/01 14:39:35

Voluntary Vegetation on drifted sands against dunes

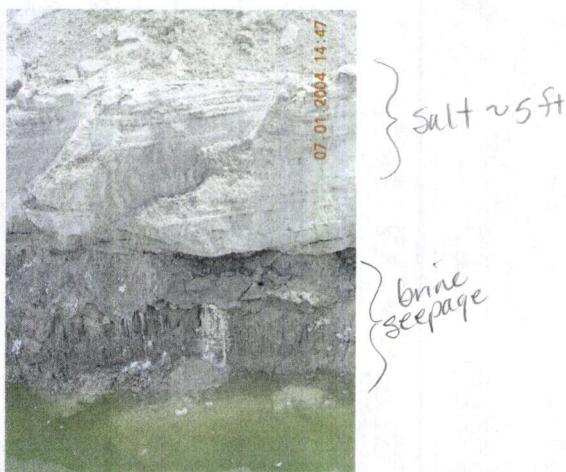


DSCN2125.JPG 2004/07/01 14:47:07

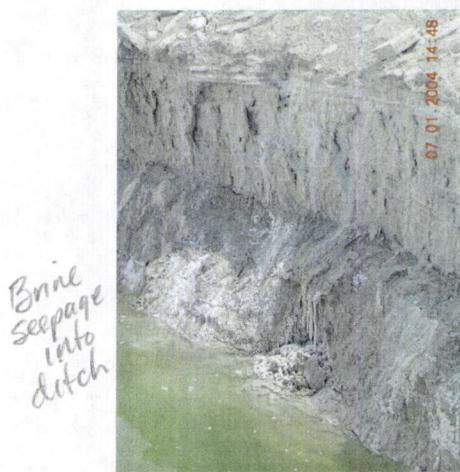
collection
ditch
cut
thru
pond 5



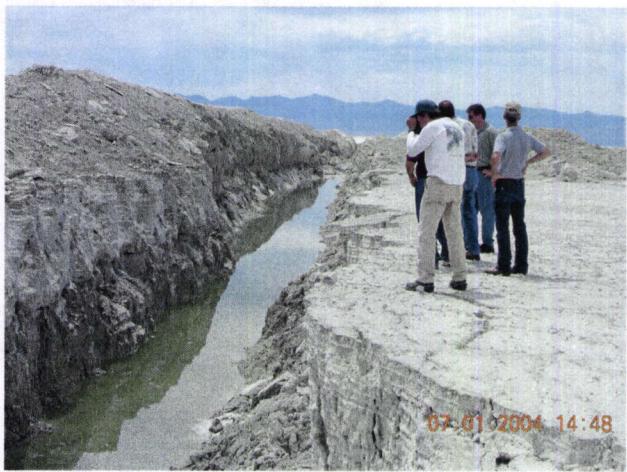
DSCN2126.JPG 2004/07/01 14:47:25



DSCN2127.JPG 2004/07/01 14:47:59



DSCN2128.JPG 2004/07/01 14:48:12



DSCN2129.JPG 2004/07/01 14:48:43

Pond IV
internal
collection
ditch

brine
seepage
into
ditch



DSCN2130.JPG 2004/07/01 14:50:00